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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/849,181	05/20/2004	Masatsugu Yokote	023971-0422	7250	
22428 7590 06/01/2007 FOLEY AND LARDNER LLP			EXAM	EXAMINER	
SUITE 500			BOEHLER, ANNE MARIE M		
3000 K STREET NW WASHINGTON, DC 20007			ART UNIT	PAPER NUMBER	
			3611		
			MAIL DATE	DELIVERY MODE	
			06/01/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)	
•	10/849,181	YOKOTE, MASATSUGU	
Office Action Summary	Examiner	Art Unit	
	Anne Marie M. Boehler	3611	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address	
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be timularly and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	I. nely filed the mailing date of this communication. D (35 U.S.C. § 133).	
Status			
Responsive to communication(s) filed on 22 Fe This action is FINAL. 2b) ☑ This Since this application is in condition for allowar closed in accordance with the practice under E	raction is non-final. nce except for formal matters, pro		
Disposition of Claims			
4) ⊠ Claim(s) 1-11 and 15-17 is/are pending in the a 4a) Of the above claim(s) is/are withdraw 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1-11,15 and 16 is/are rejected. 7) ⊠ Claim(s) 17 is/are objected to. 8) □ Claim(s) are subject to restriction and/or	vn from consideration.		
Application Papers		•	
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the objected to by the Examiner Replacement drawing sheet(s) including the correction access and the correction is objected to by the Examiner.	epted or b) objected to by the Eddrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119	·		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been receive it (PCT Rule 17.2(a)).	on No ed in this National Stage	
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:	te	

Art Unit: 3611

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

2. Claims 1, 6, 7, 9, 15, and 16 are rejected under 35 U.S.C. 102(e) as being anticipated by Mould et al. (USPN 2003/0158642).

Mould teaches a steering apparatus with a driving foce section 3 to control left and right driving forces of the left and right wheel individually, a power assistance device 5 to add steering assistance force to the driver's steering input, a steering mechanism to link the drive wheels to the steering input, and a controller 12 that calculates a steering reaction force on the steering input in accordance with the difference between the left and right steering forces. It also corrects the steering assistance force with the steering reaction force.

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3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 2-5, 8, 10, 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mould in view of Adler (USPN 5,469,928).

Mould lacks a teaching to provide individual motors for driving the laterally spaced wheels or to adjust the reaction force based on which wheel in inside or outside of a turn.

Adler teaches a drive arrangement with a motor 10, 8, for each or a left and a right drive wheel 6, 4. It also teaches providing steering assist to the vehicle by increasing drive force on the outer wheel and decreasing drive force to the inner wheel.

It would have been obvious to one of ordinary skill in the art to provide the Mould system with wheel individual motors, as taught by Adler, in order to precisely control drive distribution to the wheels. It would also have been obvious to decrease electric power assist in proportion to the assist provided by the motors in order to avoid oversteering the vehicle.

- 5. Claim 17 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 6. Applicant's arguments with respect to claims 1-17 have been considered but are moot in view of the new ground(s) of rejection.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anne Marie M. Boehler whose telephone number is 571-272-6641. The examiner can normally be reached on 7:30-5:00, Monday-Thursday, and alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lesley Morris can be reached on 571-272-6612. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Anne Marie M Boehler Primary Examiner Page 4

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